

REMARKS

The specification has been amended to include the priority data, to include sequence identifier numbers where amino acid and/or nucleotide sequences appear in Table 1, and to enter the substitute Sequence Listing. The claims have been amended to cancel claims 1-22 of the PCT application and to add new claims 23-52. No new matter is added by this amendment. The filing fees have been calculated after amendment of the claims by the preliminary amendment.

Should any additional fees under 37 C.F.R. §§ 1.16 to 1.21 be required, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No. 50-1212/SONN:087US.

Respectfully submitted,



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10/568156

JAP20 Rec'd PCT/PTO 13 FEB 2006

APPENDIX A

Table 1 - List of Primers

APPENDIX B

IAP20 Rec'd PCT/PTO 13 FEB 2006
SEQUENCE LISTING

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JOST, WOLFGANG
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GORR, GILBERT

<120> MOSS EXPRESSING PROMOTING REGIONS

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<141> 2006-02-13

<150> PCT/EP2004/008580

<151> 2004-07-30

<150> EP 03450184.1

<151> 2003-08-11

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<212> DNA

<213> Physcomitrella patens

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 <213> Marchantia polymorpha

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 ccaaccata cacaccatttgc当地 ttgtcttaggtt ttcttgc当地 acaattcaat 1560
 gacttagtgc当地 ttacatatttgc当地 cttccaaacc gaagcaaaagc aagggtactc caccatttgc当地 1620
 tatataactca ttgttgc当地 tttaaaccat ctgaaatcac acaaaaaatgt ttttgc当地 1680
 cttc当地 ctttgc当地 atattaatgtt gacgttttgc当地 ttcttgc当地 tttaatgcca cccgttaggtt 1740
 tggacggaaa tggatggatg taaatggaaa gatcgccggc aaaaagacca aatttccatatac 1800
 tactgccc当地 gtccgataaa gacggaaaaca atgc当地 atgc当地 agtggatgtt agc当地 aagggaa 1860
 agtgc当地 acgttgc当地 cgaaggcggc gtttgc当地 atttacttca cccaaaccgc gc当地 agggatatc 1920
 gggcacacgg tc当地 agggtaaaatttgc当地 acgttgc当地 catttgc当地 gtttggcgtg 1980
 ctttgc当地 tataaa gaacactgct cttccgatct aaacctcgga ttgtcgctt ctagataactg 2040
 aatttgc当地 gaccctgc当地 ttgttgc当地 ccgttagggc tgc当地 acgttgc当地 ggatc当地 2100
 gccgttgaat ttagtgc当地 ttgtcgacc agtacgttgc当地 gtaagg 2146

<210> 25
 <211> 524
 <212> DNA
 <213> *Funaria hygrometrica*

<400> 25
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 ctc当地 cggata aggggtgacag caaggc当地 cggg tattacttgc当地 taagagaagc ggccaaaggcg 180
 gc当地 agccactg tggccactt tgcttgc当地 ctacacttgc当地 cgatttgc当地 gacgagcggc 240
 agc当地 tcgtgtt gacaggcttgc当地 aaccgaccgc tgcttgc当地 ccaggc当地 gagac tagaaaatgt 300
 tacttgc当地 cccacttgc当地 ttcttgc当地 gcatccgaaatg tttcttgc当地 gtttgc当地 360
 gtc当地 aataaa ttgtcgccgc tc当地 gagacttgc当地 ggacactttt gtc当地 accgttgc当地 ttcttgc当地 420
 atttcttgc当地 agagggtgtt gtagtgc当地 ttgttgc当地 ggatc当地 480
 cgtc当地 acgttgc当地 gtttatttgc当地 gggaaatgtt aaacgttgc当地 gaag 524

<210> 26
 <211> 2088
 <212> DNA
 <213> Physcomitrella patens

<400> 26

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atgcatgtaa gataattcca attagaatct ataaatttct tattataatt ttttaaaaac 60
aaagtaccaa aatattatta ttttaatatac ctctaagttt aatccatata ttaagtagaa 120
acaattattc taataaataa tgataaaaat tagacatctt gcaataaaaat ttcttttaa 180
aaatagatac ataacatgaa aaatatccc taaatagcta acaccatcaa aacatttgc 240
caaatatgca cttagatg tgcaggaca aaaagaaata tttgcaagat tttggagat 300
ctaaactaat gtttgtcctc tttgcactat gagtaggatt tcttttattt tgtagtga 360
aaagatacat tgcaatttg tttcataataaaaactatac taatgaaata gtgctaaaaa 420
ataacaagat taaaaaaaca taacccttc tacaacctt aatccttcta attagactac 480
ctcaaagttg tgccatTTG cacaAAAacc attcttttaa atctacttta ccctccaatt 540
tccaaatgagc ttcatgtgca tacacaagca tgctttctt ctttcttct tgaagaaaac 600
ttatctgaac aaacgttaat actctacttg ttgatgaaag tggaaactttg accacataca 660
ggcttggta tgcattttgtt atatcttc acagttagtc tggtaatc caaccatgca 720
catagaatataa gaatggggac atgctccag ccactcggtt gtgcagaaaaa cttgacaagc 780
gagattcaag caacggcgac tacgacggcg atcacgcaat acaaagcattt gtttagtatgt 840
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taaaacttagc aatacaaccg ctgatggaaa caaccgaaag ctatgtcattt ggagagggcg 1020
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atctgttgcac tgaaaatgtt taattgttgc gaggattgca tgcagcgcacg tcgtaaagat 1920
agggtgacaa ggacgttcc agagctcagc tcggggcatg ccccgcaact ccctagcata 1980
taaacatacc gggtggattt tgcacccacc aggtcttgc cgggtcccc tgcggccaa 2040
ctgttggctt cattgccctt gcgattcgag tggagaga ttttagca 2088
  
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<210> 27
 <211> 500
 <212> DNA
 <213> Physcomitrella patens

<400> 27

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gaatttgagt atgtgagttc actttgaaca tcccaagaagc aaaagaatgg gtttttcat 180
gtttgaattt tattttgtat agttgtttg agccgcgtt tctatctgtc acttggctt 240
atattctgag ttctccgat acgaatacg aagtccactt gaacatctgt aacggcaga 300
attgcgtcag gtcaatcctc tcagatttt tcgggtgtt tgcgtaaac tagttgatt 360
gttgcattt aagcttggtt gctttcggt agaaagcatg aaacttctat gacgaaaccc 420
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<210> 28
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 28
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<210> 29
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 29
ccgmacgctg tccatrgtgc c                                21

<210> 30
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 30
acattgatgc gtcacatgt c                                21

<210> 31
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 31
ggatggacg agatggagtt cac                                23

<210> 32
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

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<400> 32
agcacatgca caccatac gcttgcgc attc 34

<210> 33
<211> 34
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 33
gtcgcatag acgacaagac cggggatcca cagc 34

<210> 34
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 34
tcagtgcgt ccgtaatct ctctctctgc ttg 33

<210> 35
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 35
ctgtgttcgg attagactcc ccgttagcctt tgtg 34

<210> 36
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 36
tcgattggcg agttgcaagg agggcaagg 29

<210> 37
<211> 29
<212> DNA
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<220>		
<223> Description of Artificial Sequence: Synthetic		
Primer		
<400> 37		
tgcctgctca tctttagtat ggcgtgttg		29
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<223> Description of Artificial Sequence: Synthetic		
Primer		
<400> 38		
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Primer		
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gacctggaaa cctgcacaat cacgcataaga		30
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<223> Description of Artificial Sequence: Synthetic		
Primer		
<400> 40		
tagcataaga taaagatgtt ctctacc		27
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Primer		
<400> 41		
ctcaccagcc aatggctatg c		21

<210> 42
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 42
ccgtggact tagttgtctt cacttc

26

<210> 43
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 43
gatcgaaatt gctgcttggc ctccac

26

<210> 44
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 44
tcgaggatgt gtccttagtc gagaa

25

<210> 45
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 45
aacttcacgc attccacaag ccacac

26

<210> 46
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 46	
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<210> 47	
<211> 29	
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<223> Description of Artificial Sequence: Synthetic	
Primer	
<400> 47	
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Primer	
<400> 48	
catcttcagt gtgctctacc tcacg	25
<210> 49	
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<223> Description of Artificial Sequence: Synthetic	
Primer	
<400> 49	
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<210> 50	
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Primer	
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<220>		
<223> Description of Artificial Sequence: Synthetic		
Primer		
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<220>		
<223> Description of Artificial Sequence: Synthetic		
Primer		
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gctgctcttc tcgtgattgt ct		22
<210> 53		
<211> 23		
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Primer		
<400> 53		
cattcccaacc cttccttctc ttc		23
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<223> Description of Artificial Sequence: Synthetic		
Primer		
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gttttctggc tcttccttgg		20
<210> 55		
<211> 21		
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Primer		
<400> 55		
atcgttctcg actcttcttc c		21
<210> 56		

<211> 21
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 56
gttacgctcg caatgcgtac t

<210> 57
<211> 26
<212> DNA
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<220>
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<400> 57
aactttctgc tgtcttggtt gcattg

<210> 58
<211> 37
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<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 58
gacctgcagg cactcgagct tgtaatcatg gtcatag

<210> 59
<211> 28
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 59
catttcttaa taccgacctg cccaaacca

<210> 60
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<400> 60

21

26

37

28

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Primer	
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Primer	
<400> 62	
catttttag aatgatccta caggagttc	29
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<223> Description of Artificial Sequence: Synthetic	
Primer	
<400> 63	
agtctggcaa gttcccttcg	20
<210> 64	
<211> 23	
<212> DNA	
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Primer	
<400> 64	
gaagagaagg aagggtggga atg	23
<210> 65	
<211> 22	
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<223> Description of Artificial Sequence: Synthetic
Primer

<400> 65
ggaagaagag tcgagaagcg at

22

<210> 66
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 66
catttgtcc aactaccgcg acccgaaccc

30

<210> 67
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 67
aatctcgagt agcataagat aaagatgttc tctacc

36

<210> 68
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 68
ggtaaagctc tcgagtgcag tagacgacaa aatg

34

<210> 69
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 69
catttgctc aagctgtgcg aagctc

26

<210> 70
<211> 31

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 70
atctcgagga tccattcaac ggaggataag t

31

<210> 71
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 71
caactcgaga tcggtctgta agccctgtat ttg

33

<210> 72
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 72
atttctcgag ttgttgaatc atgttaattg ccaatgg

38

<210> 73
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 73
ttactcgaga ctctactaat tgacaaggat g

31

<210> 74
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 74
gtcaagattg gaggttcctt gag

23

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<210> 75
<211> 34
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 75
tccatctcga gtacctccgc tgtgtgttc aaag                                34

<210> 76
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 76
tgccctcgag ccacatcccg accgcc                                26

<210> 77
<211> 32
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 77
agcacctcga gtactgccct agtgccctaa tc                                32

<210> 78
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 78
catccttaca ggacgtactg g                                21

<210> 79
<211> 22
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic

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Primer

<400> 79
atgcatggca aaacatcccc tg 22

<210> 80
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 80
catggagatg aaatgttctg 20

<210> 81
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 81
ttaactcgag atacaagagt tataaatcat atac 34

<210> 82
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 82
atatctcgag atgcatgtaa gataattcca attaga 36

<210> 83
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 83
cattgctaaa atctctccac actcgaatc 29

<210> 84
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<212> DNA

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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 84
atatctgcag tcatgaaact ttcattatgt atc          33

<210> 85
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 85
atatgcggcc gcggaacgaa tttgtcgagc tctct          35

<210> 86
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 86
cttcgtgtt gcctcaagag tg          22

<210> 87
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 87
catttcttaa tacggacctg cc          22

<210> 88
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Primer

<400> 88
atatctcgag gaattcattt ccattaacga gaatatgac          39

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<400> 93		
gttaacgaag gaggtgtccg		20
<210> 94		
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Primer		
<400> 94		
aagcttagca agcagctctc gcag		24
<210> 95		
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<212> DNA		
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<223> Description of Artificial Sequence: Synthetic		
Primer		
<400> 95		
atcgacgata gactgcaagc c		21
<210> 96		
<211> 22		
<212> DNA		
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<223> Description of Artificial Sequence: Synthetic		
Primer		
<400> 96		
aggagtgtta cacatctttt ac		22
<210> 97		
<211> 22		
<212> DNA		
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<223> Description of Artificial Sequence: Synthetic		
Primer		
<400> 97		
ggctaagacg acgcattctg tg		22
<210> 98		
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<212> DNA		
<213> Artificial Sequence		

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 98
ggatccgaga ggaaagagag ag 22

<210> 99
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 99
cgcttacaat gatcctgcat ag 22

<210> 100
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 100
tcgttgaaat aatctcgatcc at 22

<210> 101
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 101
cggcacctac aaggcctct cg 22

<210> 102
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 102
tgggacgtat cagggtacgt ct 22

<210> 103
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 103
tatccggagg ttccccgcgac acc

23